

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Yumin Liu

Application No.: To be assigned

Group Art Unit: 1764

Filed: Herewith

Examiner: T. Nguyen

For: PROCESSES FOR OXIDATIVE
DEHYDROGENATION

Attorney Docket No.: 10460-013-999

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants respectfully request entry of this Preliminary Amendment. For the convenience of the Examiner, the pending Claims after entry of this amendment are enclosed in an Appendix.

AMENDMENT

IN THE CLAIMS

Please cancel Claims 16-66 without prejudice.

Please amend Claims 1, 5, 6, 10, 11, 15, and 67 to read as follows:

1. (Once Amended) A method comprising contacting an alkane having from 2 to 4 carbon atoms to a catalyst that includes at least about 50% nickel oxide and dehydrogenating said alkane with a selectivity of greater than 70% and a conversion of greater than 10%. (1/2) Uni #

5. (Once Amended) The method of claim 1 wherein said conversion is greater than 15%. A²